Press release

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Vattenfall and Copenhagen Infrastructure Partners choose Siemens Gamesa turbines for Zeevonk offshore wind farm

Vattenfall and Copenhagen Infrastructure Partners (CIP), through their joint venture Zeevonk, have selected Siemens Gamesa as turbine supplier for Phase I of the Zeevonk offshore wind farm off the Dutch North Sea coast.

Siemens Gamesa will supply 69 offshore wind turbines, each with a nominal capacity of 15 MW, representing a total installed capacity of just over 1 GW.

“Zeevonk is a large and ambitious project and selecting Siemens Gamesa as turbine supplier is an important step towards execution. Strong supplier partnerships are essential to delivering a competitive offshore wind project on this scale. Together with our partners, we are now putting the key building blocks in place to a successful delivery of Zeevonk”, says David Flood, head of Offshore wind at Vattenfall.

According to a separate service and warranty agreement, Siemens Gamesa will also ensure long-term service and maintenance for the wind farm, including full operational support and ongoing monitoring to ensure optimal availability and efficiency.

The agreements mark further significant progress in the development of Zeevonk Phase I and mean that all key supplier agreements for the construction phase now are in place. Earlier this year, contracts were announced with TKF for the inter-array cables, with EEW Group for the foundations, with DEME for supplying the vessels for foundation and for the turbine installation and with Boskalis for cable installation.

“The signing of the turbine supply agreement and the service and warranty agreement represents a major milestone for Zeevonk. With the project’s two largest contracts now in place, we are moving decisively towards a final investment decision and bringing Zeevonk into execution. This milestone is the result of an exceptional effort across from the project ream, our partners and supplier. Zeevonk has an important role to play in the Netherlands’ energy transition, and these agreements bring us a significant step closer to achieving that target”, says Felix Pahl, partner at CIP.

Each turbine features three 115-metre-long blades. With a rotor diameter of 236 metres, the blades sweep an area of 44,000 square meters. The turbines are based on Siemens Gamesa's Direct Drive technology.

Multiple turbines will feature Siemens Gamesa’s GreenerTower, which uses low-emission steel to reduce the tower’s carbon footprint. They will also use RecyclableBlade technology, which allows blade materials to be separated and recycled for new uses after the turbines are taken out of service, as well as RecyclableCoolingLiquid, made with 93% recycled glycol. Together, these solutions aim to increase recycling and reduce the turbines’ carbon footprint compared with conventional solutions.

At Vattenfall, we’re committed to building a future where everyone can choose fossil free ways to move, make and live. The transition to fossil freedom is one of the biggest challenges of our time, but our attitude to big challenges has always been that there’s a way. For over 100 years we’ve electrified industries, supplied energy to people's homes and modernised society through innovation and collaboration. Vattenfall is a leading European energy company with around 12 million customers and 21,000 employees. We’re fully owned by the Swedish state and operate mainly in Sweden, Germany, the Netherlands, Denmark and the UK. For more information: Our goal is fossil freedom - Vattenfall

About Zeevonk Phase I:

Zeevonk Phase I forms part of the wider Zeevonk project and is being developed by Vattenfall and Copenhagen Infrastructure Partners. Phase I will deliver around 1 GW of offshore wind capacity. Current plans envisage manufacturing of the turbines in 2028, with installation targeted for 2029. The project remains subject to a final investment decision.

About Zeevonk:

Zeevonk is co-owned by Vattenfall and Copenhagen Infrastructure Partners through its Energy Transition Fund I. Covering an area of 196 km², the Zeevonk project will be located approximately 63 to 84 km off the Dutch coast. The project is divided into two stages. Phase I delivers 1 GW of offshore wind by 2029. Phase II follows in 2032, adding another 1 GW of wind and 500 MW of system integration capacity.

Turbine facts:

- Turbine model: SG 15-236
- Nominal capacity: 15 MW with a power boost capacity of up to 15.5 MW
- Tip height: 263 metres
- Blade length: 115 metres
- Rotor diameter: 236 metres
- Swept area: 44,000 m²
- The turbines use Siemens Gamesa's Direct Drive technology.

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